

#### MISSISSIPPI STATE DEPARTMENT OF HEALTH

## BUREAU OF PUBLIC WATER SUPPLY

# CALENDAR YEAR 2010 CONSUMER CONFIDENCE REPORT CERTIFICATION FORM

Public Water Supply Name

CO 7 OUDS

List PWS ID #s for all Water Systems Covered by this CCR

The Federal Safe Drinking Water Act requires each *community* public water system to develop and distribute a consumer confidence report (CCR) to its customers each year. Depending on the population served by the public water system, this CCR must be mailed to the customers, published in a newspaper of local circulation, or provided to the customers upon request.

Please Answer the Following Questions Regarding the Consumer Confidence Report

PS	Customers were informed of availability of CCR by: (Attach copy of publication, water bill or other)
	Advertisement in local paper On water bills 6(30)(  7.4) Other
	Date customers were informed://
	CCR was distributed by mail or other direct delivery. Specify other direct delivery methods:
	Date Mailed/Distributed: / /
X	CCR was published in local newspaper. (Attach copy of published CCR or proof of publication)
	Name of Newspaper: CALLOUN Ce, JOURNA
	Date Published: 6 175/11
	CCR was posted in public places. (Attach list of locations)
	Date Posted: / /
	CCR was posted on a publicly accessible internet site at the address: www
<u>CERTI</u>	FICATION
consiste	certify that a consumer confidence report (CCR) has been distributed to the customers of this public water system in and manner identified above. I further certify that the information included in this CCR is true and correct and is next of Health, Bureau of Public Water Supply.
Name/I	Fille (President, Mayor, Owner, etc.)  Lector 1  Lector 1  Date
	Mail Completed Form to: Bureau of Public Water Supply/P.O. Box 1700/Jackson, MS 39215 Phone: 601-576-7518

570 East Woodrow Wilson • Post Office Box 1700 • Jackson, Mississippi 39215-1700



#### 2010 Annual Drinking Water Quality Report Cross Roads Water Association PWS#: 0070005 June 2011

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. Our water source is from wells drawing from the Gordo Formation Aquifer.

The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identify potential sources of contamination. The general susceptibility rankings assigned to each well of this system are provided immediately below. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request. The wells for the Cross Roads Water Association have received a moderate susceptibility ranking to contamination.

If you have any questions about this report or concerning your water utility, please contact Shane Cook at 662-983-8744. We want our valued customers to be informed about their water utility. If you want to learn more, please attend the regular scheduled meetings that are held on the second Tuesday of every other month at 7:00 PM at the Bentley Community Center.

We routinely monitor for constituents in your drinking water according to Federal and State laws. This table below lists all of the drinking water contaminants that were detected during the period of January 1<sup>st</sup> to December 31<sup>st</sup>, 2010. In cases where monitoring wasn't required in 2010, the table reflects the most recent results. As water travels over the surface of land or underground, it dissolves naturally occurring minerals and, in some cases, radioactive materials and can pick up substances or contaminants from the presence of animals or from human activity; microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm-water runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm-water runoff, and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations and septic systems; radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily indicate that the water poses a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Maximum Contaminant Level (MCL) - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - The "Goal" (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL) – The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) — The level of a drinking water disinfectant below which there is no known or expected risk of health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Parts per million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

				TEST RES	SULTS			
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measure- ment	MCLG	MCL	Likely Source of Contamination

8. Arsenic	N	2008*	3.2	1.4 – 3.2	ppb	n/a	10	D Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
10. Barium	N	2008*	.158	.141158	ppm	2	2	Discharge of drilling wastes;     discharge from metal refineries;     erosion of natural deposits
14. Copper	N	2008*	.4	0	ppm	1.3	AL=1.3	3 Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2008*	.265	.247265	ppm	4	2	4 Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2008*	1	0	ppb	0	AL=15	5 Corrosion of household plumbing systems, erosion of natural deposits
21. Selenium	N	2008*	5.8	4.1 – 5.8	ppb	50	50	D Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Disinfecti	on By-	Products						
Chlorine	N	2010	.71	.68 – 2.07	ppm	0 MR	4 1	Water additive used to control

<sup>\*</sup> Most recent sample. No sample required for 2010.

We are required to monitor your drinking water for specific constituents on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. In an effort to ensure systems complete all monitoring requirements, MSDH now notifies systems of any missing samples prior to the end of the compliance period.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Our Water Association is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead. The Mississippi State Department of Health Public Health Laboratory offers lead testing. Please contact 601.576.7582 if you wish to have your water tested.

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline 1-800-426-4791.

The Cross Roads Water Association works around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

### **Proof Of Publication**

#### STATE OF MISSISSIPPI, COUNTY OF CALHOUN

Personally came before me, the undersigned, a Notary Public, in and for Calhoun County, Mississippi, Joel McNeece, Publisher of The Calhoun County Journal, a newspaper published in Bruce, Calhoun County, in said state, who being duly sworn, deposes and says that The Calhoun County Journal is a newspaper as defined and prescribed in Senate Bill No. 203 enacted at the regular session of the Mississippi Legislature of 1948, amending Section 1858 of the Mississippi Code of 1942, and the publication of a notice, of which annexed copy, in the matter of

#### CROSSROADS WATER ASSN CONSUMER CONFIDENCE REPORT

has been made in said newspaper one time, towit:

2 McReece

On the 23 day of JUNE 2011

Joel McNeece Publisher

Sworn to and subscribed before me, this 23 day of JUNE, 2011.

Lisa Denley McNeece, Notary Public

commission expires March 28, 2014



2010 Annual Draking Water Quality Report Cross Roads Water Association PWS≠: 0070006

Water pleased to present to you this year's Annual Clusdy Water Report. This report is designed to inform you though the quality water and services we deliver to you every day. Our occreating pair to provide you with a card and dependable supply of definiting vaster. We want you to undestinated the efforts we make to continuely improve the water treatment process and protect nat water resources. We want you to undestinate the efforts we make to continuely improve the water treatment process and protect nat water resources. We want you to write the death of water the continuely and the process of the process translation of the death of water the process of the process translation of the death of water water. Our water a vascer's form was translationary to the death of water Applies.

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	Y.W	Conretro .	Celested	pr# of Samples Exceeding	Measure- ment			
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8. Arsenia	- N	20084	3.2	1.4 ~ 3.2	ppb	n/a	10	Erosion of natural deposits; rune from prohards; runoff from glass
	1.		- 1					and electronics production waste
10. Barum	N	2006*	.150	.141158	ppm	2	2	Discharge of draing wastes; discharge from motal reference; emajor of natural deptatis
14. Copper	N	2008*	7	¢	pom	1.3	AL#1.3	systems; erosion of natural deposits: leasining from wood preservatives
18. Rusida	N	2003*	.265	247 - 286	Ppm	4	4	Erosian of natural deposits, water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lord	18	2039	1	ū	pps	0	AL-15	Compains of household plumbing systems, crosion of natural deposits
z). Selynium	*	2009	5.8	4.1 - 5.8	bko	50	19	Discharge from petrolerum and motal references, crosion of natural deposits; discharge from micres
Disinfecti	оп Ву-	Produc	8					
Chauriere	N	2010	.71	.53-2.07	eten	O MR		Valer additive used to central vicrohes

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Some people may be more visionable to contaminants in driving water than the general population. Immuno-complemend persons unto an persona with convex undergoing chamotherapy, persona with base undergoing organ transparate, people with MVAIDS or other immune system decoders, some defent, and infante can be personally at light from infantions. These people should reak advice about disaking water from their health once providers, EPACDD guidelines on appropriate means to lessen the risk of infaction by the personal person

The Cross Reads Water Association works around the check to provide top quality leads to every tigo. We sak that all our customers